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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,306	10/24/2003	Kazuo Kuroda	3577-177 Cont.	1491
29540	7590	09/07/2005	EXAMINER	
PITNEY HARDIN LLP			HINDI, NABIL Z	
7 TIMES SQUARE			ART UNIT	
NEW YORK, NY 10036-7311			PAPER NUMBER	
			2655	

DATE MAILED: 09/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/693,306

Applicant(s)

KURODA ET AL.

Examiner

NABIL Z. HINDI

Art Unit

2655

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 August 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 13-42 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 13-42 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

In response to applicant's amendment dated August 29, 2005. The following action is taken:

The claims are rejected for the same reasons set forth in the previous office action repeated herein.

The claims and the added newly claims 32-42 are rejected for the same reasons set forth in the previous office action repeated herein for applicant's convenience.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 13-42 are rejected under 35 U.S.C. 102(b) as being anticipated by Fujiie et al (5528569).

The independent claims read on recording dummy information at the beginning or end of a data block (ECC data unit) and the user data recording is interleaved within the dummy data at the beginning or end of the data block. Basically the independent claims read on interleaving the start of user data recording within the dummy data at the end of beginning of the data block. The reference shows an optical disk recording and reproducing apparatus comprising a plurality of ECC data blocks CK-1, CK-2 ... etc, each of the data blocks having 32 data sectors, the data blocks having dummy data at

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the end thereon (link sectors I1-I5) in order to interleave the user data when recording on the disk.

With respect to the limitations of claims 14 and 18. The dummy information is interleaved with RUN-IN and RUNOUT dummy data when recording the new information interleaved with the old data.

With respect to the limitations of claims 15 and 19. The claim does not recite the length of the total data amount. Such limitation read on any range of numbers. The reference shows the use of 1.1 sector as an interleave range see column 10 lines 1-20 meeting the claimed invention.

With respect to the limitations of claims 16, 20 and 38-41. The reference discloses the use of interleaving old data with new data on the disk by using dummy data.

With respect to the limitations of claims 22, 23, 25-27 and 29-31 see fig 3. see also column 10 lines 22-30 regarding the address (ID) data.

With respect to the limitations of claims 32-36 and 42. the use of an optical disk (write once) is merely an alternative equivalence to any other types of recording mediums such as RAM, DVD, DVD-ROM, DVD-RAM,... etc.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 13-42 are rejected under 35 U.S.C. 102(e) as being anticipated by Van Den Enden et al (6115340).


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The independent claims merely read on interleaving the an old data recorded on the disk with newly recorded data on a disk. The old and new data having dummy data at the end and beginning therein. The reference shows an optical disk recording apparatus wherein old data is interleaved with new data. The old data and new data interleaving at a dummy data area of the sectors as shown in fig 7 meeting the claimed invention.

With respect to the limitations of the dependent claims. The claims are drawn to the interleaving process of new data with the old data as shown in fig 7. the amount of the interleaving 83 is less than a predetermined amount.

Applicant's arguments filed August 29, 2005 have been fully considered but they are not persuasive. In response to applicant's argument drawn to the newly added limitations in the claims. The dummy data is recorded part of the sectors of blocks of data on the disk, each data block starts with the run-in and ends with a run-out. Thus recording the dummy data is recorded after the data is recorded on the disk therein meeting the claimed invention.

Any inquiry concerning this communication should be directed to NABIL Z. HINDI at telephone number (571) 272-7618.


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